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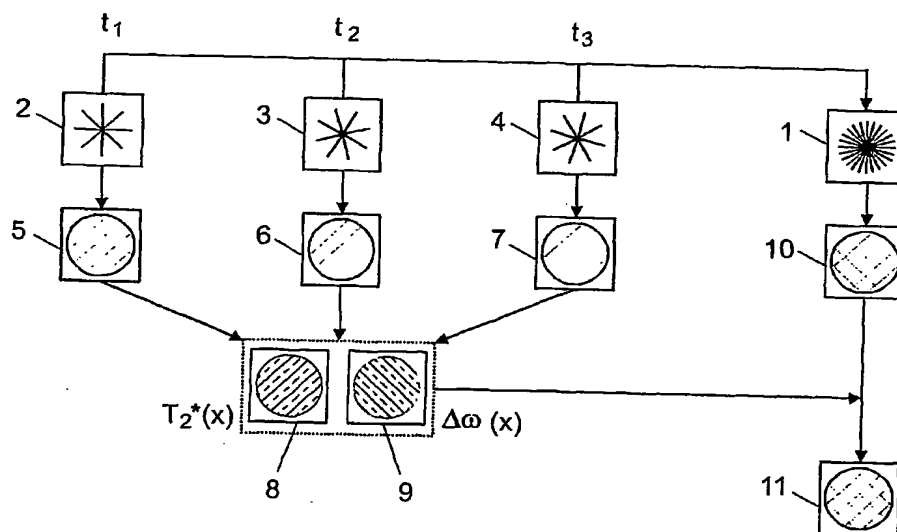
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(54) Title: MR IMAGING METHOD



(57) Abstract: The invention relates to a method for generating an MR image of an object situated in an examination volume of an MR apparatus. The method begins with the acquisition of a plurality of echo signals having at least two different echo-time values (t_1 , t_2 , t_3), the echo signals being generated from high-frequency pulses and magnetic-field gradient pulses by means of an imaging sequence. An intermediate MR image (5, 6, 7) is then reconstructed from high-frequency pulses and magnetic-field gradient pulses by means of an imaging sequence. An intermediate MR image (5, 6, 7) is then reconstructed from high-frequency pulses and magnetic-field gradient pulses by means of an imaging sequence. By analyzing these intermediate MR images (5, 6, 7), local relaxation times ($T_2^*(x)$) and/or local frequency shifts ($\Delta\omega(x)$) are determined by taking account of the respective echo-time values (t_1 , t_2 , t_3). Finally, a definitive MR image (11) is reconstructed from the echo signals (1) in their entirety.

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